

4
C L A I M S

What is claimed is:

1. A method comprising:
using an alkyl halide as a fuel additive to a fuel to increase completeness of combustion of the fuel.
2. The method according to claim 1, further comprising using the alkyl halide to increase cleanliness of a combustion chamber in which the fuel undergoes combustion.
3. The method according to claim 1, wherein said alkyl halide comprises tetrabromoethane.
4. The method according to claim 1, wherein said alkyl halide comprises at least one of tetrabromoethane ($C_2H_2Br_4$), 1,1,2,2 tetrachloroethane ($C_2H_2Cl_4$), 1,1,2 trichloroethane ($C_2H_3Cl_3$), pentachloroethane (C_2HCl_5), hexachloroethane (C_2Cl_6), 1,2,4 trichloro cyclohexane ($C_6H_9Cl_3$), 1,2,4,5 tetrachloro cyclohexane ($C_6H_8Cl_4$), ethyliodide (C_2H_5I), ethylbromide (C_2H_5Br), dichloro 1,2 dibromoethane ($C_2H_2Cl_2Br_2$), dichlorotribromoethane ($C_2HCl_2Br_3$), difluoro 1 chloroethane ($C_2H_3F_2Cl$), difluoro 1,2 dibromoethane ($C_2H_2F_2Br_2$), trifluor 1,2,2 dibromoethane ($C_2HF_3Br_2$), tribromopropane ($C_3H_5Br_3$), dibromo cyclohexane ($C_6H_{10}Br_2$), dibromoethane ($C_2H_4Br_4$), n-propylbromide (C_3H_7Br), 1- bromo, 4- fluoro cyclohexane ($C_6H_{10}FBr$), butylbromide (C_4H_9Br) and octylbromide ($C_8H_{17}Br$).